

Supplementary Information

Electrochemical sensor for endocrine disruptorbisphenol A based on a glassy carbon electrode modified with silica and nanocomposite prepared from reduced graphene oxide and gold nanoparticle

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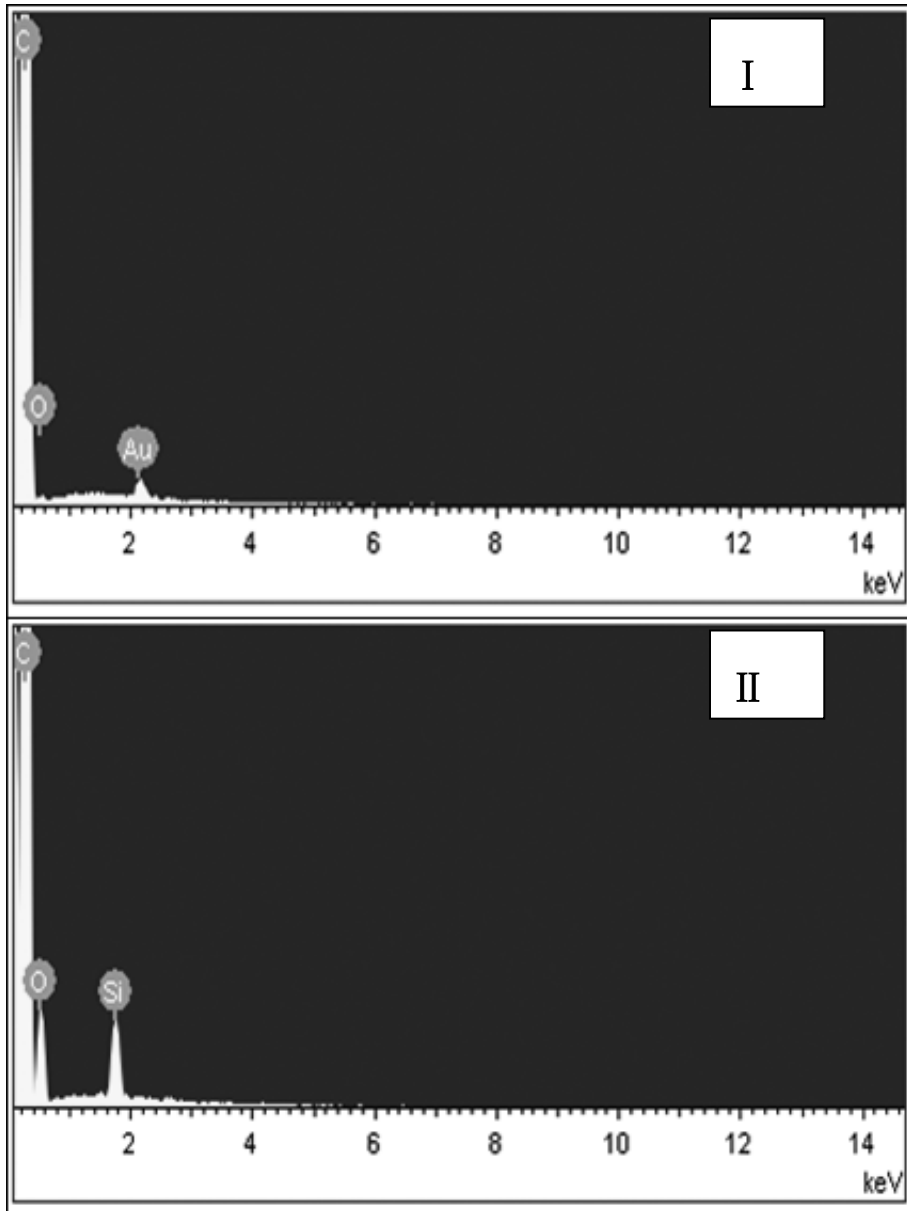


Fig. S1. EDS spectra of district I and II

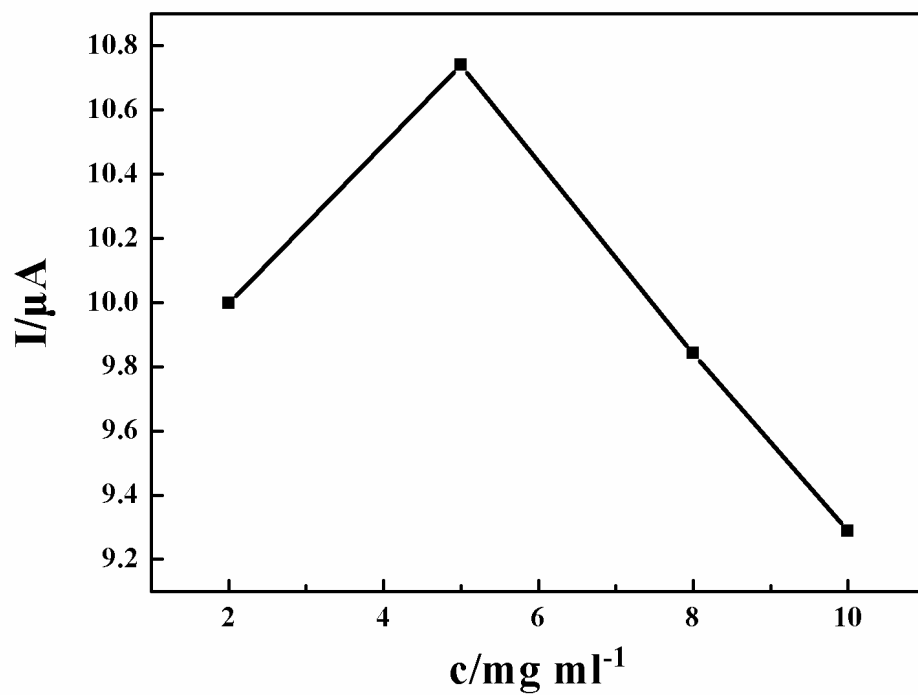
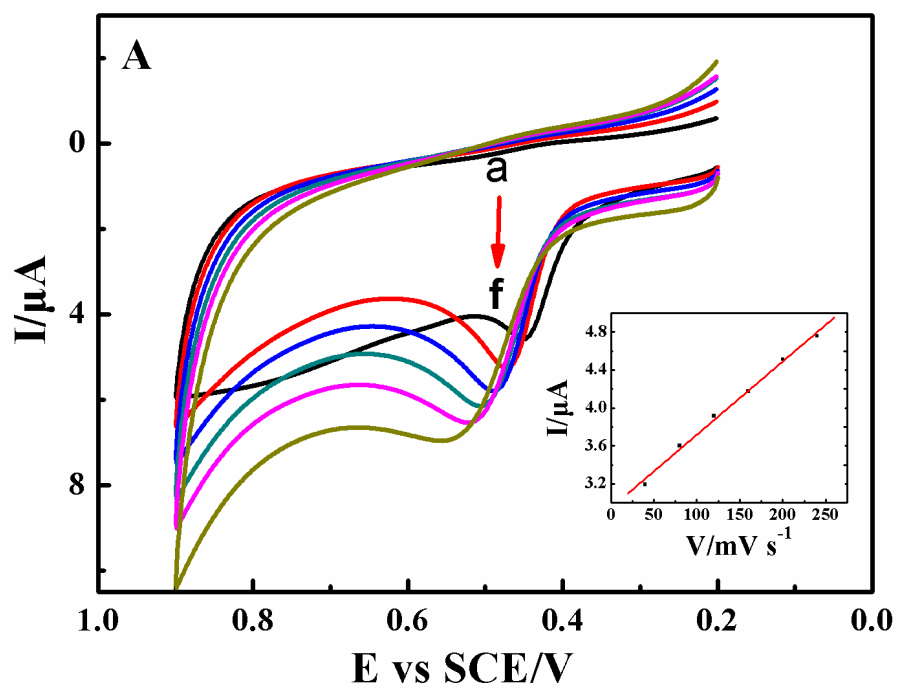


Fig. S2 Effect of content of SiO₂ nanoparticles on the peak current of 100 μM BPA



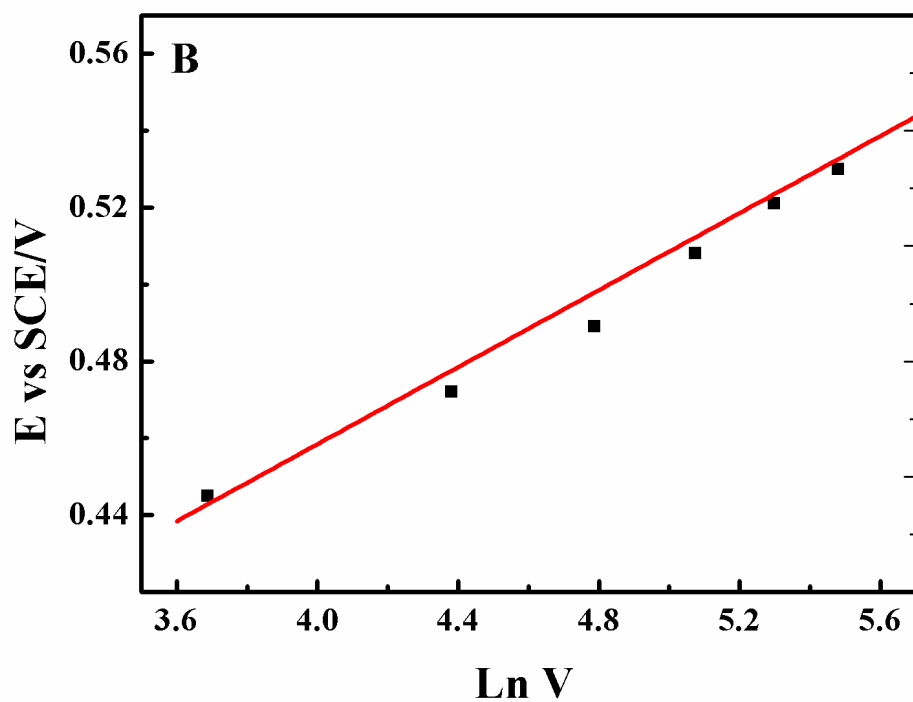


Fig. S3 (A) Cyclic voltammograms of 1.0×10^{-5} mol·L⁻¹ BPA at SiO₂/rGO-AuNPs/GCE at different scan rate (from a to f: 40, 80, 120, 160, 200 and 240 mV·s⁻¹); Insets were the plots of peak currents vs. the scan rates. (B) The plots of peak potentials vs. the natural logarithm of scan rates.